

WHAT IS CLAIMED IS:

1. A reflector lamp comprising a glass shell, a base, a wire lamp, and a heat shield, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a thickness, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom, said base extending from said bottom of said glass shell, said opening and said base defining a nose chamber, said heat shield being disposed substantially within or adjacent said nose chamber.

2. A reflector lamp according to claim 1, wherein said concave inner surface is substantially parabolic.

3. A reflector lamp according to claim 2, wherein said heat shield is positioned so as to substantially complete said parabolic inner surface.

4. A reflector lamp according to claim 1, wherein said heat shield is a concave curved-shape.

5. A reflector lamp according to claim 1, wherein said heat shield comprises stainless steel.

6. A reflector lamp according to claim 1, wherein said heat shield comprises a substrate and a reflective coating disposed on said substrate.

7. A reflector lamp according to claim 1, wherein said nose chamber has a plurality of holes disposed in a base thereof.

8. A reflector lamp according to claim 7, wherein

the number of said holes is three.

9. A reflector lamp according to claim 8, wherein two of said holes are adapted for the passage of ferrules therethrough, and one of said holes is adapted for the passage of an exhaust tube therethrough.

10. A reflector lamp according to claim 9, wherein said hole adapted for passage therethrough of said exhaust tube is substantially offset from the center of said base of said nose chamber, said nose chamber having a diameter of less than 1 inch.

11. A reflector lamp according to claim 6, wherein said reflective coating on said substrate comprises at least one metal selected from the group consisting of silver, gold, white gold, aluminum, and chromium.

12. A reflector lamp according to claim 6, wherein said substrate comprises stainless steel.

13. A reflector lamp according to claim 3, wherein said heat shield is positioned above said opening at said bottom of said glass shell within 4 mm thereof.

14. A reflector lamp according to claim 3, wherein said heat shield is positioned below said opening at said bottom of said glass shell within 4 mm thereof.

15. A reflector lamp comprising a glass shell, a base, and a wire lamp, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom forming the top of

a slot in said base, said opening having a major diameter and a minor diameter, said major diameter being
10 substantially longer than said minor diameter, said wire lamp extending into said slot.

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16. A reflector lamp according to claim 15, wherein said slot has three openings in a base thereof.

17. A reflector lamp as in claim 15, wherein said slot has a substantially rectangular cross-section.

18. A reflector lamp as in claim 15, wherein said slot has a substantially elliptical cross-section.

19. A reflector lamp according to claim 15, wherein said base of said lamp has a substantially cross-shaped cross-section.

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5 20. A reflector lamp comprising a glass shell, a wire lamp, and a flange, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a reflective coating disposed on said concave inner surface, said flange extending from said outer surface of said glass shell and defining a perimeter of a chamber, an extension of said glass shell extending over said chamber, said extension having an 10 inner surface coated with said reflective coating, said extension having an opening therethrough in communication with said chamber.

5 21. A reflector lamp according to claim 20, further comprising a glass cup attached to said flange extending from said outer surface of said glass shell, said glass cup comprising a base, a wall extending from said base at a perimeter thereof, and a plurality of openings

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extending through said closed base providing fluid connectivity between inner and outer surfaces thereof.

22. A reflector lamp according to claim 20, wherein said flange is integrally formed as part of said glass shell.

Reflector

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